110TH CONGRESS 1ST SESSION

H.R. 2693

AN ACT

To direct the Occupational Safety and Health Administration to issue a standard regulating worker exposure to diacetyl.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,

1 SECTION 1. SHORT TITLE.

- 2 This Act may be cited as the "Popcorn Workers Lung"
- 3 Disease Prevention Act".
- 4 SEC. 2. FINDINGS.

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5 Congress finds the following:

bronchiolitis obliterans.

- 6 (1) An emergency exists concerning worker ex-7 posure to diacetyl, a substance used in many 8 flavorings, including artificial butter flavorings.
- 9 (2) There is compelling evidence that diacetyl 10 presents a grave danger and significant risk of life-11 threatening illness to exposed employees. Workers 12 exposed to diacetyl have developed, among other con-13 ditions, a debilitating lung disease known as
 - (3) From 2000–2002 NIOSH identified cases of bronchiolitis obliterans in workers employed in microwave popcorn plants, and linked these illnesses to exposure to diacetyl used in butter flavoring. In December 2003, NIOSH issued an alert "Preventing Lung Disease in Workers Who Use or Make Flavorings," recommending that employers implement measures to minimize worker exposure to diacetyl.
 - (4) In August 2004 the Flavor and Extract Manufacturers Association of the United States issued a report, "Respiratory Health and Safety in

- the Flavor Manufacturing Workplace," warning about potential serious respiratory illness in workers exposed to flavorings and recommending comprehensive control measures for diacetyl and other "high priority" substances used in flavoring manufacturing.
 - (5) From 2004–2007 additional cases of bronchiolitis obliterans were identified among workers in the flavoring manufacturing industry by the California Department of Health Services and Division of Occupational Safety and Health (Cal/OSHA), which through enforcement actions and an intervention program called for the flavoring manufacturing industry in California to reduce exposure to diacetyl.
 - (6) In a report issued in April 2007, NIOSH reported that flavor manufacturers and flavored-food producers are widely distributed in the United States and that bronchiolitis obliterans had been identified among microwave popcorn and flavoring-manufacturing workers in a number of States.
 - (7) Despite NIOSH's findings of the hazards of diacetyl and recommendations that exposures be controlled, and a formal petition by labor organizations and leading scientists for issuance of an emer-

1	gency temporary standard, the Occupational Safety
2	and Health Administration (OSHA) has not acted to
3	promulgate an occupational safety and health stand-
4	ard to protect workers from harmful exposure to di-
5	acetyl.
6	(8) An OSHA standard is urgently needed to
7	protect workers exposed to diacetyl from
8	bronchiolitis obliterans and other debilitating condi-
9	tions.
10	SEC. 3. ISSUANCE OF STANDARD ON DIACETYL.
11	(a) Interim Standard.—
12	(1) Rulemaking.—Notwithstanding any other
13	provision of law, not later than 90 days after the
14	date of enactment of this Act, the Secretary of
15	Labor shall promulgate an interim final standard
16	regulating worker exposure to diacetyl. The interim
17	final standard shall apply—
18	(A) to all locations in the flavoring manu-
19	facturing industry that manufacture, use, han-
20	dle, or process diacetyl; and
21	(B) to all microwave popcorn production
22	and packaging establishments that use diacetyl-
23	containing flavors in the manufacture of micro-

wave popcorn.

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- (2) Requirements.—The interim final standard required under subsection (a) shall provide no less protection than the recommendations contained in the NIOSH Alert "Preventing Lung Disease in Workers Who Use or Make Flavorings" (NIOSH Publication 2004–110) and include the following:
 - (A) Requirements for engineering, work practice controls, and respiratory protection to minimize exposure to diacetyl. Such engineering and work practice controls include closed processes, isolation, local exhaust ventilation, proper pouring techniques, and safe cleaning procedures.
 - (B) Requirements for a written exposure control plan that will indicate specific measures the employer will take to minimize employee exposure; and requirements for evaluation of the exposure control plan to determine the effectiveness of control measures at least on a biannual basis and whenever medical surveillance indicates abnormal pulmonary function in employees exposed to diacetyl, or whenever necessary to reflect new or modified processes.

- 1 (C) Requirements for airborne exposure 2 assessments to determine levels of exposure and 3 ensure adequacy of controls. 4 (D) Requirements for medical surveillance for workers and referral for prompt medical 6 evaluation. 7 (E) Requirements for protective equipment 8 and clothing for workers exposed to diacetyl. 9 (F) Requirements to provide written safety 10 and health information and training to employ-11 ees, including hazard communication informa-12 tion, labeling, and training. EFFECTIVE DATE OF INTERIM STAND-13 14 ARD.—The interim final standard shall take effect 15 upon issuance. The interim final standard shall have 16 the legal effect of an occupational safety and health 17 standard, and shall apply until a final standard be-18 comes effective under section 6 of the Occupational 19 Safety and Health Act (29 U.S.C. 655). 20 (b) Final Standard.—Not later than 2 years after
- the date of enactment of this Act, the Secretary of Labor shall, pursuant to section 6 of the Occupational Safety and Health Act (29 U.S.C. 655), promulgate a final standard regulating worker exposure to diacetyl, if at such time, diacetyl is still being processed or utilized in facilities sub-

- 1 ject to such Act. The final standard shall contain, at a
- 2 minimum, the worker protection provisions in the interim
- 3 final standard, a short term exposure limit, and a permis-
- 4 sible exposure limit that does not exceed the lowest fea-
- 5 sible level, and shall apply at a minimum to all facilities
- 6 where diacetyl is processed or used.

7 SEC. 4. STUDY AND RECOMMENDED EXPOSURE LIMITS ON

- 8 OTHER FLAVORINGS.
- 9 (a) Study.—The National Institute for Occupational
- 10 Safety and Health shall conduct a study on food flavorings
- 11 that may be used as substitutes for diacetyl and shall
- 12 transmit a report of the findings of the study to the Occu-
- 13 pational Safety and Health Administration.
- 14 (b) Construction.—Nothing in this section shall be
- 15 construed as affecting the timing of the rulemaking out-
- 16 lined in section 2.

Passed the House of Representatives September 26, 2007.

Attest:

Clerk.

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